CLAIMS

We claim:

- 1) (Currently amended) A pharmaceutical composition comprising:
 - a) a COX-II inhibitor, wherein the COX-II inhibitor [binds COX-II receptors selectively over COX-I receptors or binds COX-II receptors specifically] is selected from the group consisting of rofecoxib, celecoxib, flosulide, N-(2-cyclohexyloxy-4-nitrophenyl) methanesulfonamide, 5-bromo-2-(4-fluorophenyl)-3-(4-methylsulfonyl) thiophene, meloxicam, 6-methoxy-2-naphthylacetic acid, nabumetone, etodolac, nimesulide, 1-fluoro-4-(2-(4-(methylsulfonyl)-phenyl)-1-cyclopenten-1-yl)-benzene, N-(3-formylamino-4-oxo-6-phenoxy-4H-chromen-7-yl) methanesulfonamide, and combinations thereof;
 - b) a muscle relaxant selected from the group consisting of alcuronium, alosetron, aminophylline, baclofen, carisoprodol, chlorphenesin, chlorphenesin carbamate, chlorzoxazone, chlormezanone, cyclobenzaprine, dantrolene, decamethonium, diazepam, dyphylline, eperisione, ethaverine, gallamine triethiodide, hexafluorenium, mephenesin, metaxalone, methocarbamol, metocurine iodide, orphenadrine, pancuronium, papaverine, pipecuronium, pridinol, succinylcholine, theophylline, tizanidine, tolperisone, tubocurarine, vecuronium, idrocilamide, ligustilide, cnidilide, and senkyunolide; and
 - c) at least one pharmaceutical excipient; wherein the COX-II inhibitor and muscle relaxant together provide an at least additive [or synergistic] therapeutic effect when administered to a subject.
- 2) (Cancelled)
- 3) (Cancelled)
- 4) (Original) The pharmaceutical composition of claim 1, wherein the weight ratio of COX-II inhibitor to muscle relaxant varies from (12.5:2.2) to (50:8).
- 5) (Original) The pharmaceutical composition of claim 1, wherein the COX-II inhibitor is selected from the group consisting of central muscle relaxants and neuromuscular blocking agents.
- 6) (Original) The pharmaceutical composition of claim 1, wherein the at least one pharmaceutical excipient is independently selected from the group consisting of an acidifying agent, adsorbents, alkalizing agent, antioxidants, buffering agent, colorant, flavorant, sweetening agent, tablet antiadherent, tablet binder, tablet and capsule diluent, tablet direct compression excipient, tablet disintegrant, tablet glidant, tablet lubricant, tablet or capsule

opaquant, plasticizer, surface active agent, solvent, oil, soap, detergent, and tablet polishing agent.

- 7) (Canceled)
- 8) (Canceled)
- 9) (Canceled)
- 10) (Currently amended) A pharmaceutical dosage form comprising:
 - a) a therapeutically effective amount of a COX-II inhibitor, wherein the COX-II inhibitor [binds COX-II receptors selectively over COX-I receptors or binds COX-II receptors specifically] is selected from the group consisting of rofecoxib, celecoxib, flosulide, N-(2-cyclohexyloxy-4-nitrophenyl) methanesulfonamide, 5-bromo-2-(4-fluorophenyl)-3-(4-methylsulfonyl) thiophene, meloxicam, 6-methoxy-2-naphthylacetic acid, nabumetone, etodolac, nimesulide, 1-fluoro-4-(2-(4-(methylsulfonyl)-phenyl)-1-cyclopenten-1-yl)-benzene, N-(3-formylamino-4-oxo-6-phenoxy-4H-chromen-7-yl) methanesulfonamide, and combinations thereof;
 - b) a therapeutically effective amount of a muscle relaxant selected from the group consisting of alcuronium, alosetron, aminophylline, baclofen, carisoprodol, chlorphenesin, chlorphenesin carbamate, chlorzoxazone, chlormezanone, cyclobenzaprine, dantrolene, decamethonium, diazepam, dyphylline, eperisione, ethaverine, gallamine triethiodide, hexafluorenium, mephenesin, metaxalone, methocarbamol, metocurine iodide, orphenadrine, pancuronium, papaverine, pipecuronium, pridinol, succinylcholine, theophylline, tizanidine, tolperisone, tubocurarine, vecuronium, idrocilamide, ligustilide, cnidilide, and senkyunolide; and
 - c) at least one pharmaceutical excipient.
- 11) (Original) The pharmaceutical dosage form of claim 10, wherein the dosage form is selected from the group consisting of a gel, cream, ointment, pill, tablet, capsule, liquid, suspension, osmotic device, bead, granule, spheroid, particulate, paste, prill, reconstitutable solid, powder, and injectible liquid.
- 12) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the COX-II inhibitor is released at a faster rate than the muscle relaxant, the COX-II inhibitor is released at a slower rate than the muscle relaxant, or the COX-II inhibitor is released at approximately

- the same rate as the muscle relaxant when the dosage form is exposed to an aqueous environment.
- 13) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form provides therapeutically effective plasma levels of the COX-II inhibitor for a period up to at least about 12 hours after administration to a subject.
- 14) (Previously amended) The pharmaceutical dosage form of claim 10, wherein after administration to a subject the dosage form provides therapeutically effective plasma levels of the muscle relaxant for a period of administration sufficient to enhance the therapeutic benefit provided by the COX-II inhibitor.
- 15) (Original) The pharmaceutical dosage form of claim 10, wherein the pharmaceutical dosage form is adapted for oral, buccal, ocular, otic, gastrointestinal, dermal, rectal, vaginal, cervical, intrauterine, epidermal, transdermal, implant, mucosal, parenteral, sublingual, nasal, or pulmonary delivery.
- 16) (Canceled)
- 17) (Canceled)
- 18) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form provides therapeutically effective levels of each drug for a period of at least 12 hours after administration to a subject.
- 19) (Original) The pharmaceutical dosage form of claim 18, wherein the period is about 12 to 60 hours.
- 20) (Original) The pharmaceutical dosage form of claim 19, wherein the period is about 12 to 30 hours.
- 21) (Original) The pharmaceutical dosage form of claim 19, wherein the period is about 18 to 48 hours.
- 22) (Previously amended) The pharmaceutical dosage form of claim 10, wherein after administration to a subject the plasma level of the COX-II inhibitor or muscle relaxant is dependent upon the plasma level of the muscle relaxant or COX-II inhibitor, respectively.
- 23) (Previously amended) The pharmaceutical dosage form of claim 10, wherein after administration to a subject the plasma level of the COX-II inhibitor or muscle relaxant is independent of the plasma level of the muscle relaxant or COX-II inhibitor, respectively.

- 24) (Original) The pharmaceutical dosage form of claim 10, wherein the dosage form provides therapeutic plasma levels for the muscle relaxant in an amount sufficient to provide a therapeutic benefit to a subject to whom it is administered.
- 25) (Previously amended) The pharmaceutical dosage form of claim 10, wherein after administration to a subject the dosage form provides therapeutic plasma levels for the COX-II inhibitor in the range of about 90 ng to about 300 ng per ml of plasma in the subject.
- 26) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the COX-II inhibitor and muscle relaxant are released sequentially after exposure to an aqueous environment.
- 27) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the COX-II inhibitor and muscle relaxant are released concurrently after exposure to an aqueous environment.
- 28) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the COX-II inhibitor and muscle relaxant are released in spaced apart periods of time after exposure to an aqueous environment.
- 29) (Previously amended) The pharmaceutical dosage form of claim 10, wherein each drug is independently released according to a controlled, sustained, timed, targeted, pseudo-first order, first order, pseudo-zero order, or zero-order release profile after exposure to an aqueous environment, optionally wherein the release of one or both of the drugs begins after expiration of a lag period, and optionally wherein the release of one drug begins after release of the other drug has begun.
- 30) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form provides a controlled release of the COX-II inhibitor and a controlled release of the muscle relaxant after exposure to an aqueous environment.
- 31) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form provides a controlled release of the COX-II inhibitor after exposure to an aqueous environment and a release of the muscle relaxant within two hours after exposure to an aqueous environment.
- 32) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form provides a controlled release of the muscle relaxant after exposure to an aqueous

- environment and a release of the COX-II inhibitor within two hours after exposure to an aqueous environment.
- 33) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form releases the COX-II inhibitor and the muscle relaxant within two hours after exposure to an aqueous environment.
- 34) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form releases the muscle relaxant within two hours after exposure to an environment of use and release of the COX-II inhibitor begins after release of the muscle relaxant has begun.
- 35) (Previously amended) The pharmaceutical dosage form of claim 34, wherein the dosage form provides a controlled release of the COX-II inhibitor after exposure to an aqueous environment.
- 36) (Previously amended) The pharmaceutical dosage form of claim 10, wherein the dosage form releases the COX-II inhibitor within two hours after exposure to an environment of use, release of the muscle relaxant begins after release of the COX-II inhibitor has begun.
- 37) (Previously amended) The pharmaceutical dosage form of claim 36, wherein the dosage form provides a controlled release of the muscle relaxant after exposure to an aqueous environment.
- 38) (Original) The pharmaceutical dosage form of claim 10, wherein the weight ratio of COX-II inhibitor to muscle relaxant varies from 12.5:2.2 to 50:8.
- 39) (Canceled)
- 40) (Canceled)
- 41) (Canceled)
- 42) (Canceled)
- 43) (Currently Amended) The composition of claim [40] 1, wherein the COX-II inhibitor and muscle relaxant are independently provided in each occurrence in controlled release form, sustained release form, timed release form, or in a form wherein complete release of drug occurs within two hours of beginning of its release.
- 44) (Previously Amended) The composition of claim 43, wherein release of at least one of the COX-II inhibitor and muscle relaxant begins after expiration of a lag period and/or release of at least one of the COX-II inhibitor and the muscle relaxant is targeted in a subject to which the composition is administered.

- 45) (Currently amended) The composition of claim [40] 1, wherein at least one of the COX-II inhibitor and muscle relaxant are independently provided in each occurrence in pseudo-first order, first order, pseudo-zero order, or zero order release form.
- 46) (Canceled)
- 47) (Canceled)
- 48) (Currently amended) A pharmaceutical dosage form comprising the pharmaceutical composition of claim [42] 4.
- 49) (Previously added) A pharmaceutical composition comprising:
 - a) a COX-II inhibitor selected from the group consisting of rofecoxib and celecoxib;
 - b) pridinol; and
 - c) at least one pharmaceutical excipient.
- 50) (Previously added) The pharmaceutical composition of claim 49, wherein the at least one pharmaceutical excipient is independently selected from the group consisting of an acidifying agent, adsorbent, alkalizing agent, antioxidant, buffering agent, colorant, flavorant, sweetening agent, tablet antiadherent, tablet binder, tablet and capsule diluent, tablet direct compression excipient, tablet disintegrant, tablet glidant, tablet lubricant, tablet or capsule opaquant, plasticizer, surface active agent, solvent, oil, soap, detergent, and tablet polishing agent.
- 51) (Previously added) The composition of claim 49, the weight ratio of COX-II inhibitor to pridingly varies from (12.5:2.2) to (50:8).
- 52) (Previously Amended) The composition of claim 49, wherein the COX-II inhibitor and pridinal are independently provided in each occurrence in controlled release form, sustained release form, timed release form, or in a form wherein complete release of drug occurs within two hours of beginning of its release.
- 53) (Previously Amended) The composition of claim 52, wherein release of at least one of the COX-II inhibitor and pridinol begins after expiration of a lag period and/or release of at least one of the COX-II inhibitor and pridinol is targeted in a subject to which the composition is administered.
- 54) (Previously added) The composition of claim 49, wherein at least one of the COX-II inhibitor and pridingly are independently provided in each occurrence in pseudo-first order, first order, pseudo-zero order, or zero order release form.

55) (New) The pharmaceutical dosage form of claim 10, wherein the COX-II inhibitor and the muscle relaxant are released according to different release profiles when the dosage form is exposed to an aqueous environment.